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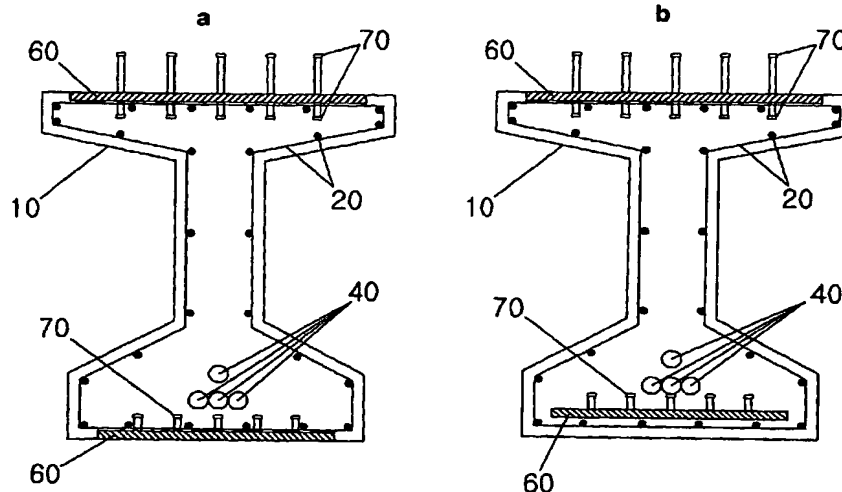
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(54) Title: PRESTRESSED COMPOSITE GIRDER, CONTINUOUS PRESTRESSED COMPOSITE GIRDER STRUCTURE AND METHODS OF FABRICATING AND CONNECTING THE SAME



(57) Abstract: Disclosed herein are a prestressed composite girder with steel plates, a continuous prestressed composite girder structure with steel plates and methods of fabricating and connecting the same. The prestressed composite girder includes shear reinforcing bars and main reinforcing bars, sheaths, sole plates, and steel plates. The shear reinforcing bars and main reinforcing bars are arranged across the prestressed composite girder. The sheaths are adapted to contain steel wires arranged across the prestressed composite girder. The sole plates are placed at ends of the prestressed composite girder and provided with shear connecting members. The steel plates are placed in upper and lower flanges of the prestressed composite girder and provided with shear connecting members.

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